METHODS FOR PREPARATION OF ONE-DIMENSIONAL CARBON NANOSTRUCTURES

Abstract

[0063]   A method for synthesizing carbon nanostructures is provided. A metalorganic layer is deposited on a substrate that has a deposition mask. The mask is removed, which also removes the portion of the metalorganic precursor deposited on the mask. The remaining portions of the metal organic layer are oxidized to produce a metal growth catalyst on the substrate that can be used for synthesis of carbon nanostructures.